

## 内蒙古顶冰花属(百合科)一新种

赵一之 赵利清

(内蒙古大学生命科学学院 呼和浩特 010021)

### A new species of *Gagea* (Liliaceae) from Nei Mongol, China

ZHAO Yi-Zhi ZHAO Li-Qing

(Faculty of Life Science, Nei Mongol University, Hohhot 010021, China)

**Abstract** A new species of the genus *Gagea* Salisb. (Liliaceae) from Helanshan, Nei Mongol, China, *G. alashanica* Y. Z. Zhao & L. Q. Zhao, is described and illustrated. The new species is similar to *G. neopopovii* Goloskokov in the stigma capitate, tunic elongated upwards at apex, cylindric and amplexicaul, bulbel absent, cauline leaves 3–4, and flower not subtended by a leafy bract, but different by having two basal semi-fistulose leaves, and tunic shortly elongated, ca. 2.5 cm long.

**Key words** *Gagea* Salisb, *G. alashanica* Y. Z. Zhao & L. Q. Zhao, new species, Nei Mongol, China.

**摘要** 报道了产于贺兰山的顶冰花属(百合科)一新种——贺兰山顶冰花 *Gagea alashanica* Y. Z. Zhao & L. Q. Zhao。该种因柱头头状,鳞茎外皮上端向上延伸成圆筒状,抱茎,无附属小鳞茎,植物除基生叶外,茎上具有3–4枚附生叶,无明显总苞片而与新疆顶冰花 *G. neopopovii* Goloskokov 相似,但基生叶2枚,半圆筒形;鳞茎外皮向上延伸较短,长约2.5 cm,易于区别。

**关键词** 顶冰花属;贺兰山顶冰花;新种;内蒙古;中国

贺兰山顶冰花的模式标本(马毓泉 184)1963年采于贺兰山,在台纸上曾被鉴定为:*Lloydia triflora* Baker 和 *Gagea pauciflora* Turcz.《内蒙古植物志》第一版(8: 172. 1985)和第三版(5: 457. 1994)产于贺兰山的 *G. pauciflora* 的依据标本中包括了本新种的标本。在重新鉴定研究内蒙古顶冰花属的过程中,发现该标本是一新种。

#### 贺兰山顶冰花 新种 图1

***Gagea alashanica* Y. Z. Zhao & L. Q. Zhao, sp. nov. Fig. 1**

Species affinis *G. neopopovii* Goloskokov, sed foliis basilaribus 2 semifistulosis, tunica breviter elongata, circ. 2.5 cm longa differt.

Herba perennis, omnino glabra. Bulbus ovatus, circ. 5 mm diam., tunica breviter elongata, circ. 2.5 cm longis. Caulis circ. 12 cm altus. Folia basilaria 2, semifistulosa, 10–14 cm longa, circ. 1 mm diam.; folia caulina 3, alterna, linearia, 7–20 mm longa, 1–2 mm lata, basi dilatata. Flos solitarius, terminalis; pedicellus circ. 15 mm longus; tepala 6, oblongo-lanceolata, circ. 12 mm longa, circ. 3 mm lata, apice acuta; stamina circ. 6 mm longa, antheris oblongis circ. 1 mm longis; stylus circ. 3 mm longus; stigma capitatum. Capsula obovoidea, circ. 6 mm longa.

**China. Nei Mongol (内蒙古):** Helanshan Mt. (贺兰山), in rocky fissure, alt. 3500 m, 1963-07-25, Y. C. Ma (马毓泉) 184 (holotype, here designated, HIMC).

多年生草本,全株无毛。鳞茎卵形,直径约5 mm,鳞茎皮向上延伸,长约2.5 cm。茎高约12 cm。基生叶2枚,半圆筒形,长10–14 cm,直径约1 mm;茎生叶3枚,互生,条形,

长 7–20 mm, 宽 1–2 mm, 基部加宽。花单生; 花梗长约 15 mm; 花被片 6, 长圆状披针形, 长约 12 mm, 宽约 3 mm, 先端急尖; 雄蕊长约 6 mm; 花药长圆形, 长约 1 mm; 花柱长约 3 mm; 柱头头状。蒴果倒卵球形, 长约 6 mm。

本种与新疆顶冰花 *G. neopopovii* Goloskokov 因柱头头状, 鳞茎外皮上端向上延伸成圆筒状, 抱茎, 无附属小鳞茎, 植物除基生叶外, 茎上具有 3–4 枚附生叶, 无明显总苞片而相似, 但基生叶 2 枚, 半圆筒形; 鳞茎外皮向上延伸较短, 长约 2.5 cm, 易于区别。

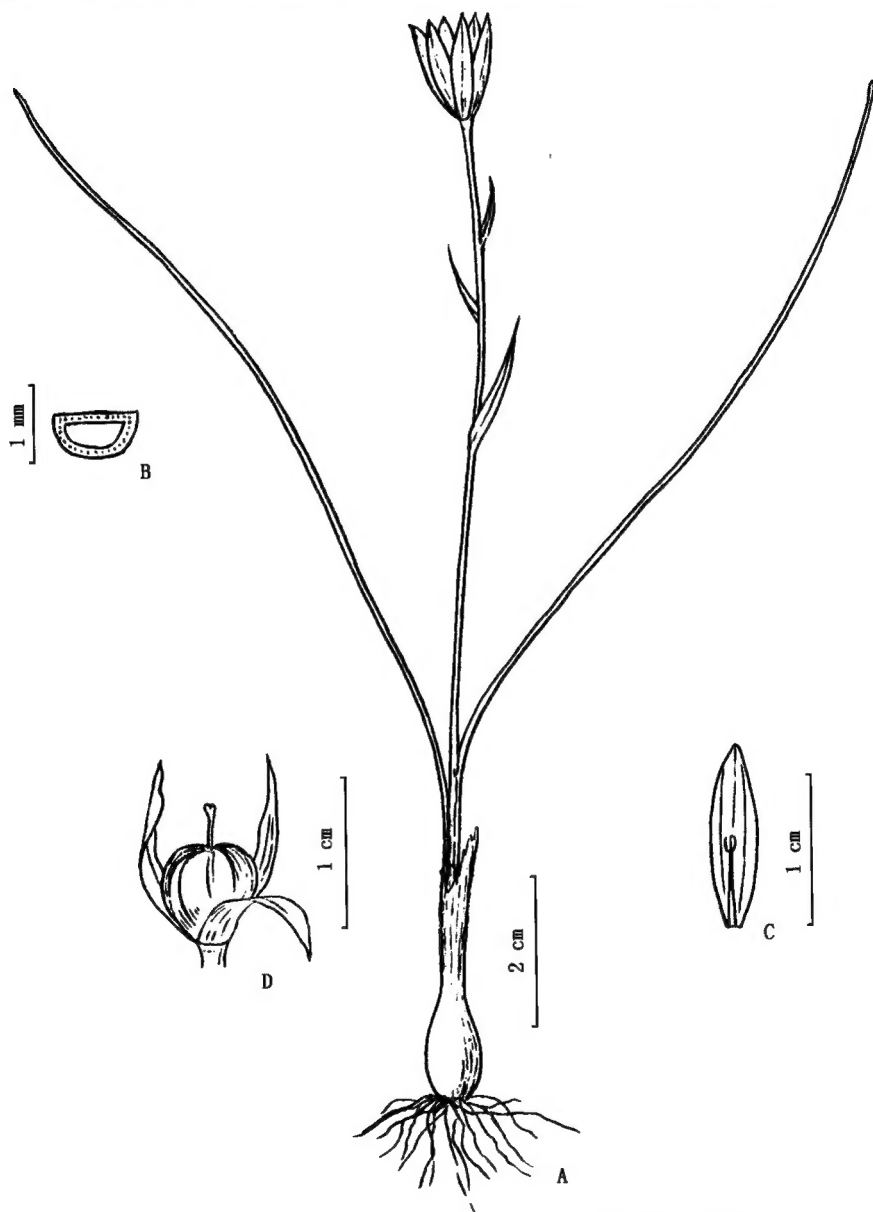


图1 贺兰山顶冰花 A, 植株; B, 基生叶横切面; C, 花被片与雄蕊; D, 蒴果和部分宿存花被片。(鲍红英根据马毓泉 184 号标本绘)

Fig. 1. *Gagea alashanica* Y. Z. Zhao & L. Q. Zhao. A, plant; B, transverse section of basal leaf; C, tepal and stamen; D, capsule and partial persistent tepal. Drawn by H. Y. Bao from the type gathering, Y. C. Ma 184.